

FIG. 1a is a block diagram of a system architecture. The system is divided into two main sections by a dashed line. The top section, labeled 'Object Space 150', contains a 3D wireframe model of a cube with internal planes and a point, representing an object in a 3D space. The bottom section contains a hierarchical structure of symbols and segments. At the top of this section is a 'Parent Identifier 110'. Below it are three 'Master Symbol' blocks (115a, 115b, 115c). Each Master Symbol block contains three 'Symbol' blocks (120a1, 120a2, 120a3 for 115a; 120b1, 120b2, 120b3 for 115b; 120c1, 120c2, 120c3 for 115c). Arrows indicate a flow from the Parent Identifier 110 to each Master Symbol block. Dashed arrows connect each Symbol block to a corresponding block in the 'Object Space 150' section: Symbol 120a1 to 140a, Symbol 120b2 to 140b, and Symbol 120c3 to 140c. Solid arrows then point from blocks 140a, 140b, and 140c to a central 'Object 130' block. A dashed arrow also points from the 3D model in Object Space 150 to Object 130.

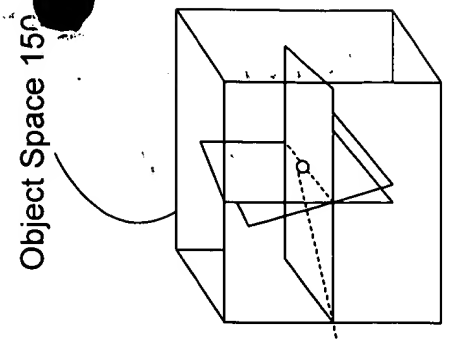
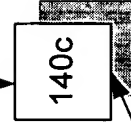
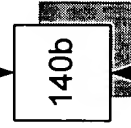
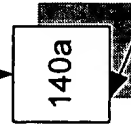
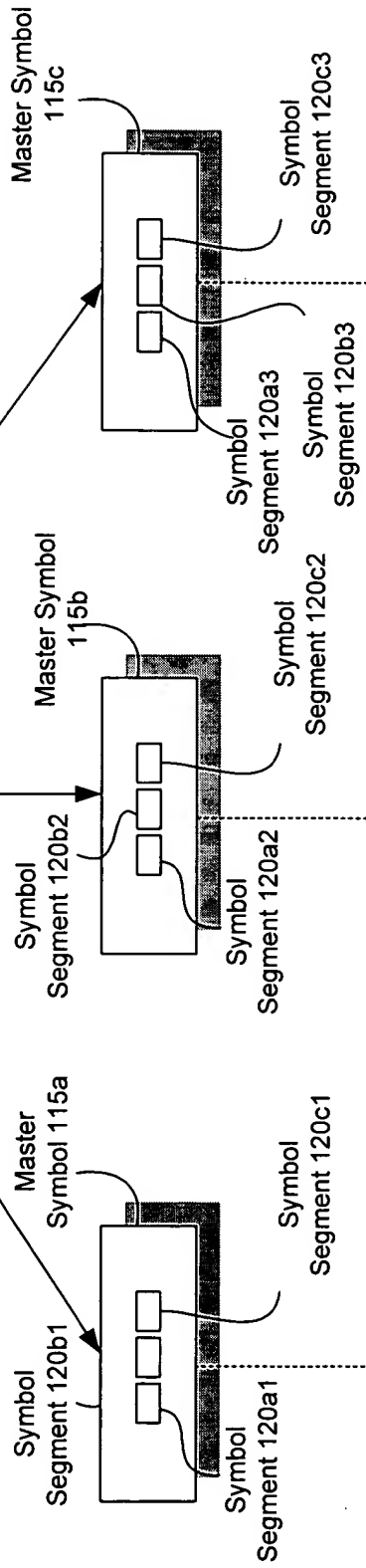


FIG. 1a

FIG. 1b is a schematic diagram of a system 100b, which is similar to the system 100a of FIG. 1a, but with a different configuration of components.

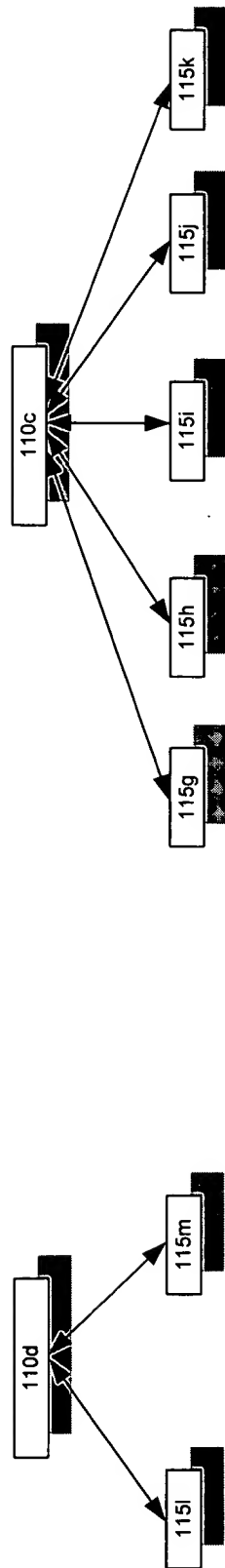


FIG. 1b

Symbol Template 145

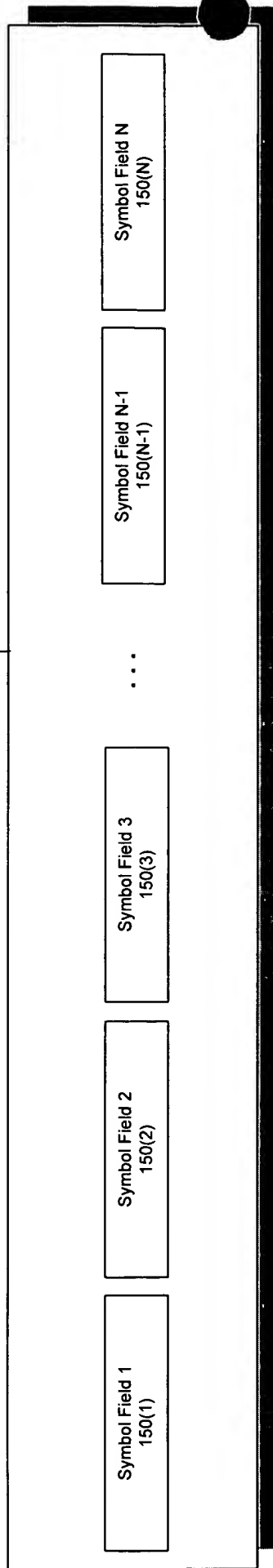


FIG. 1c

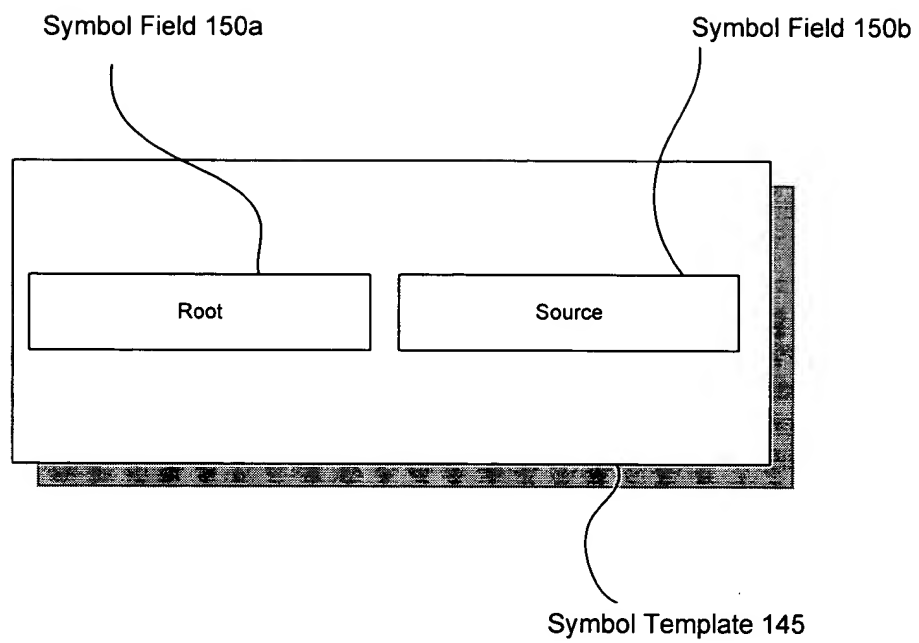


FIG. 1d

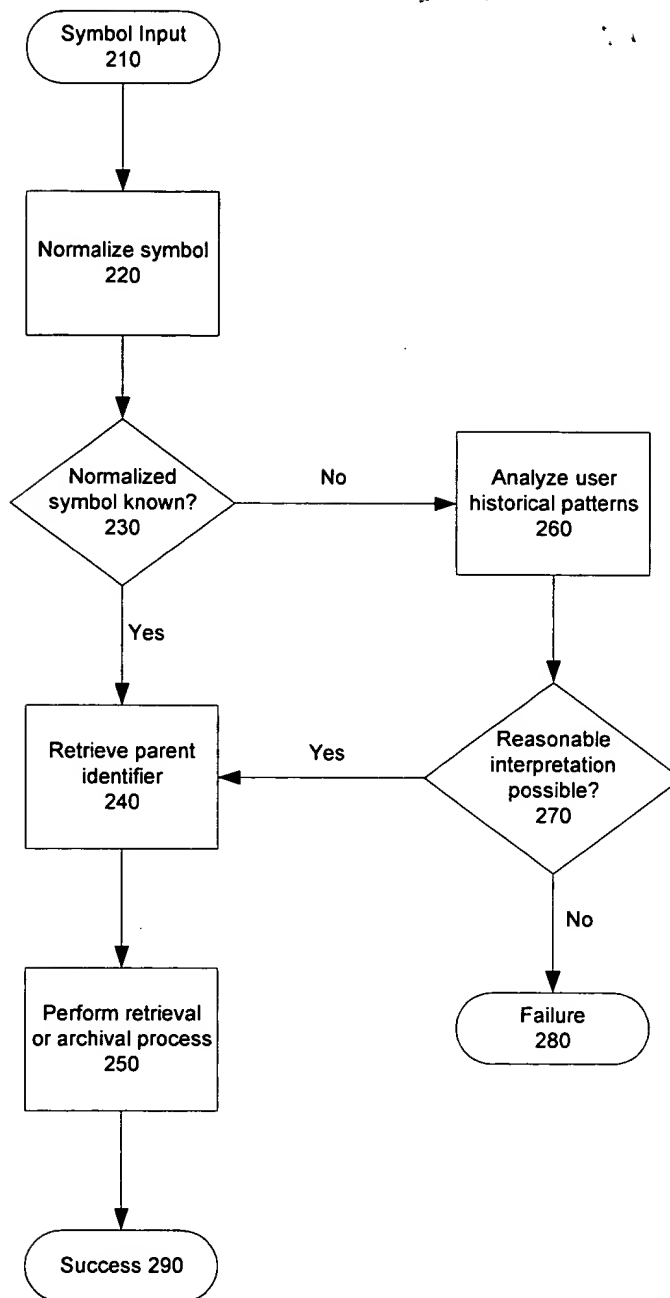


FIG. 2

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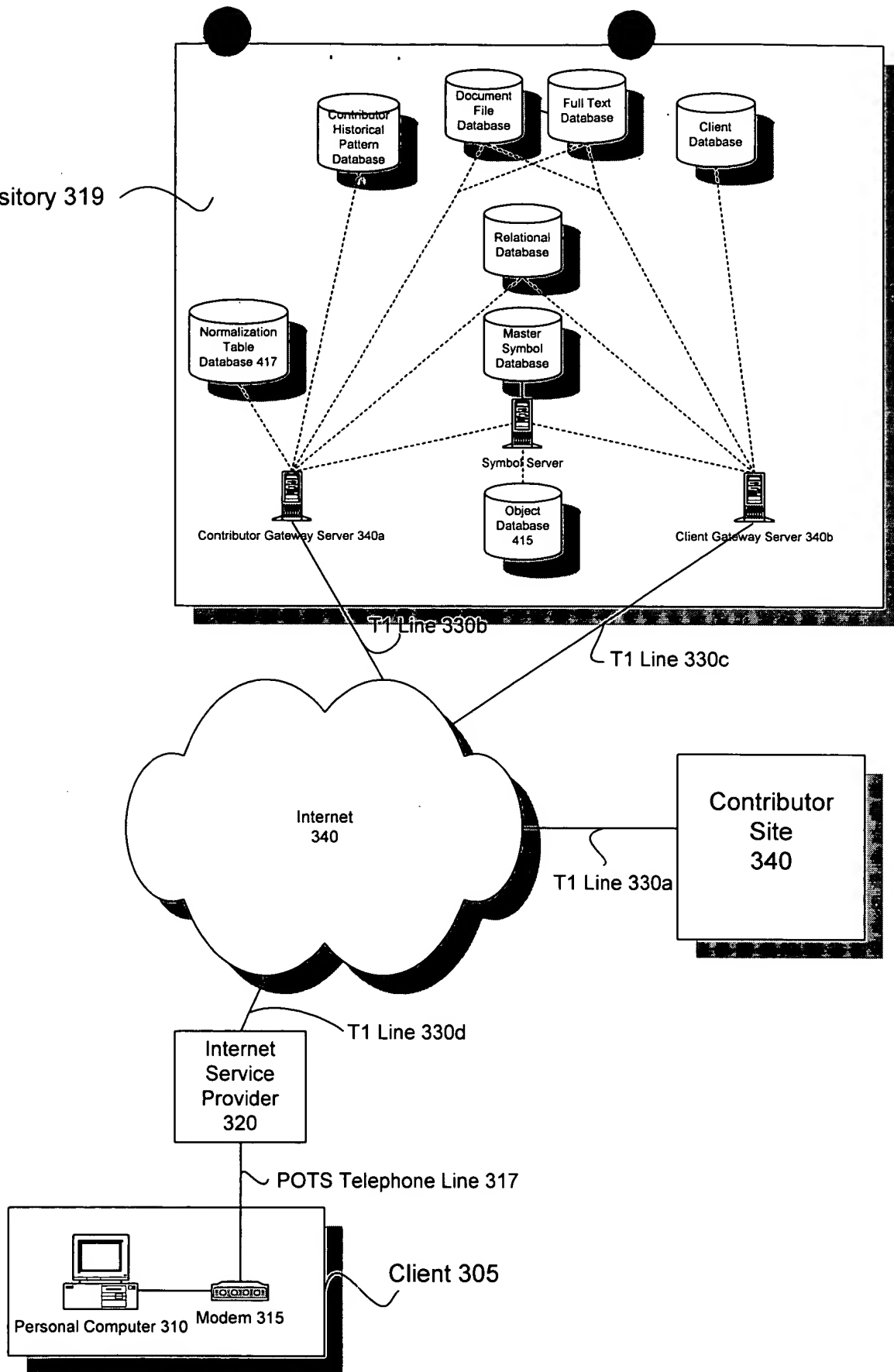


FIG. 3

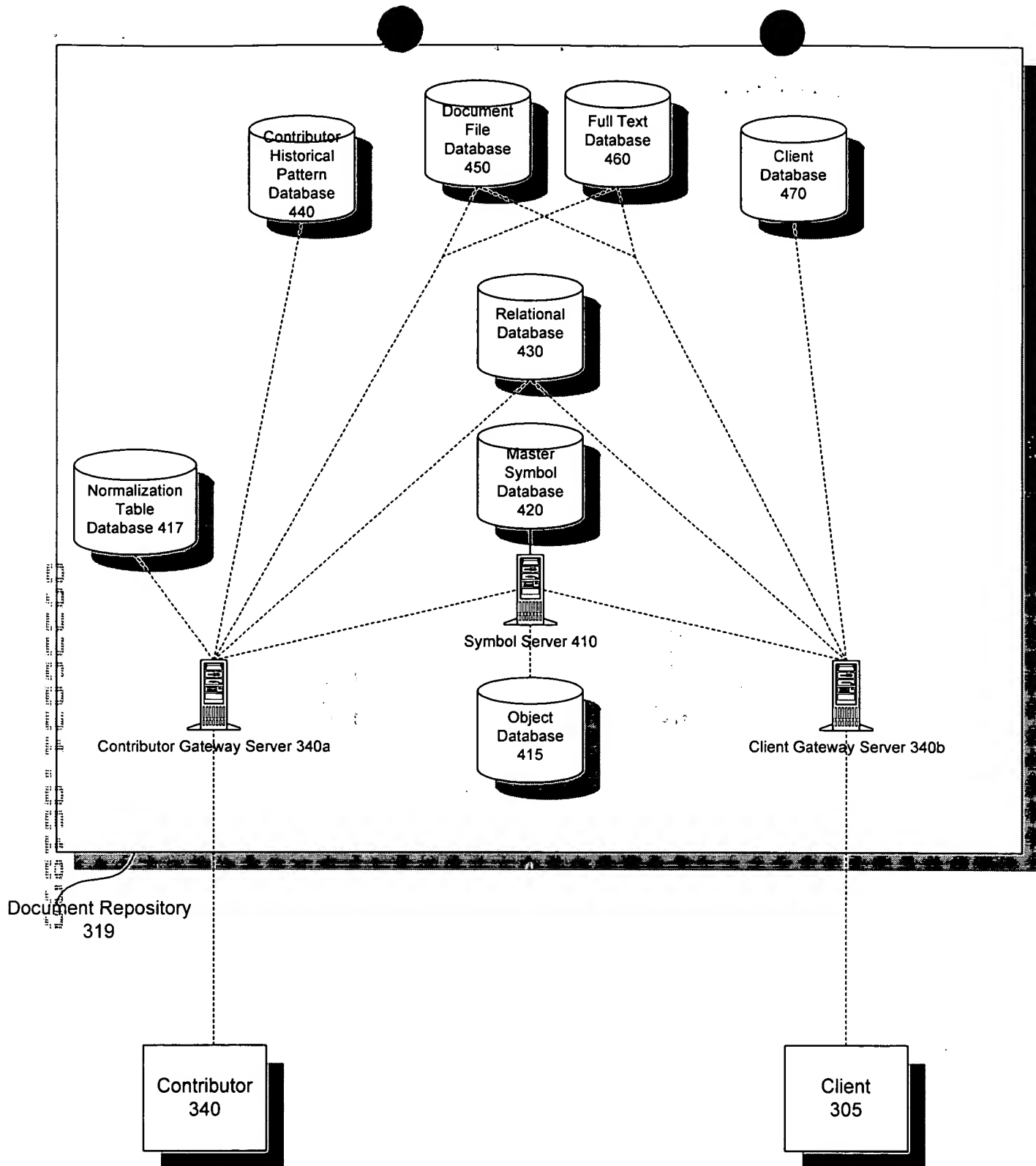


FIG. 4

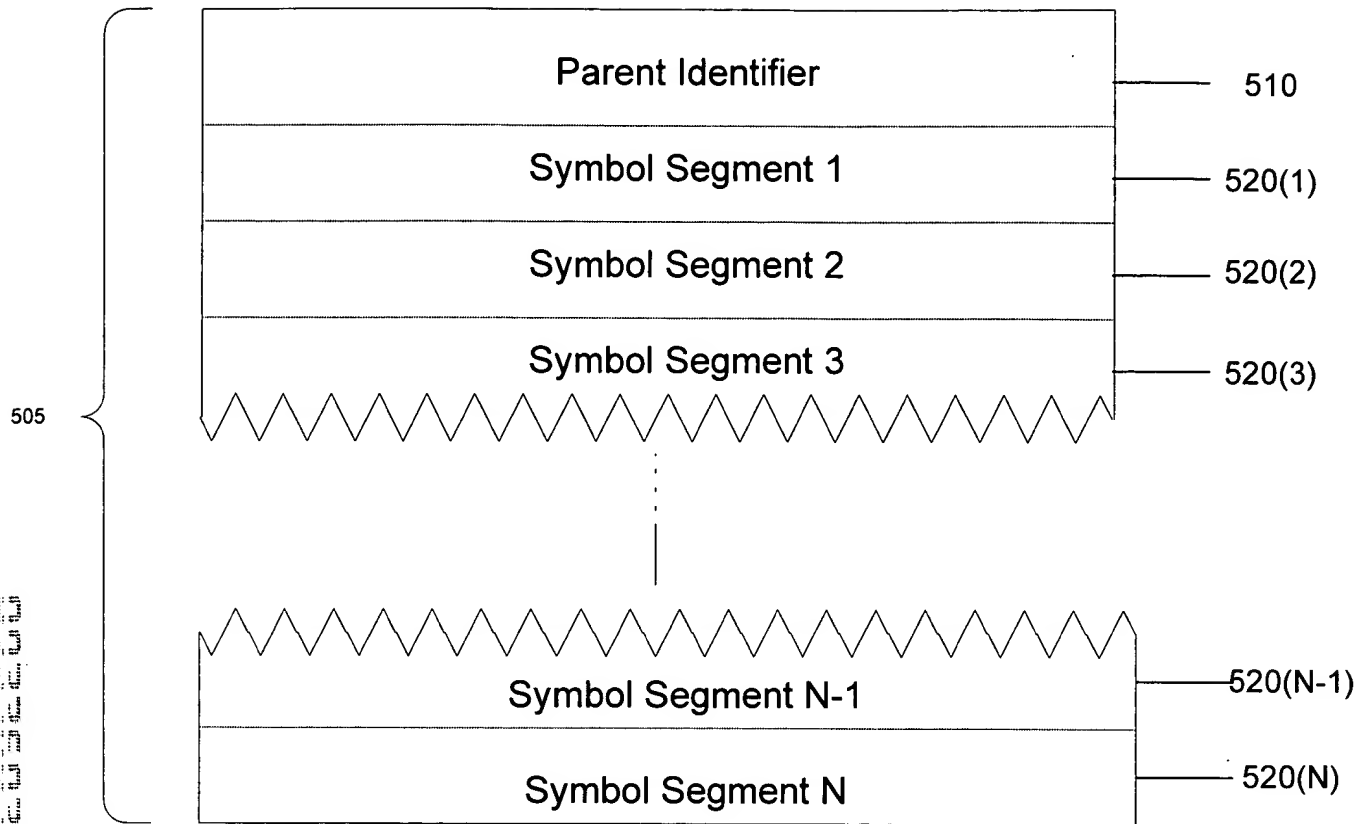


FIG. 5a

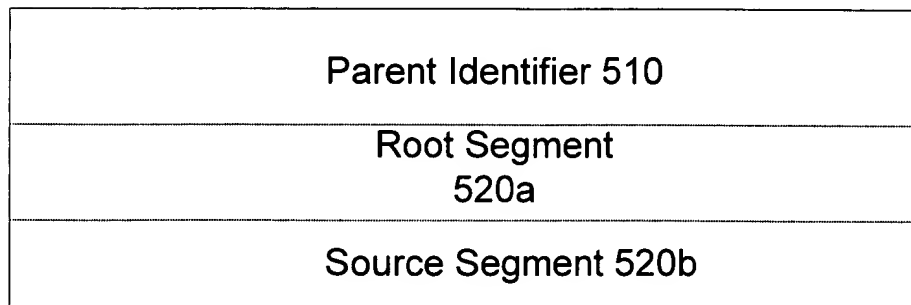


FIG. 5b



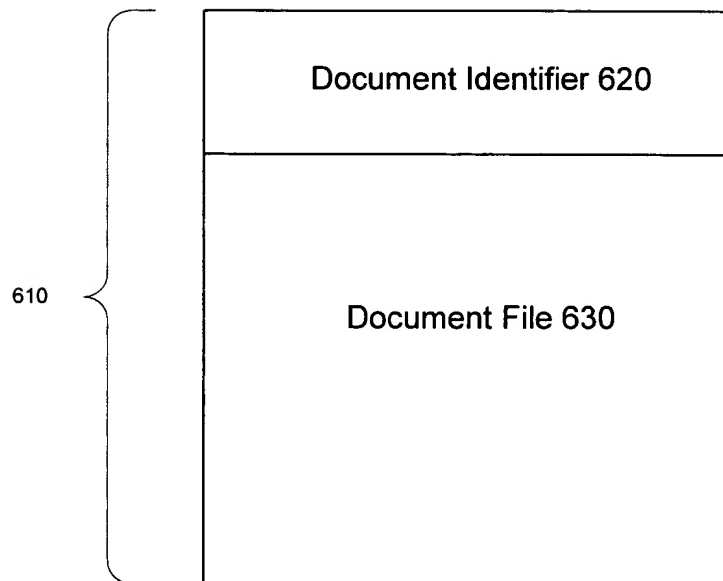


FIG. 6

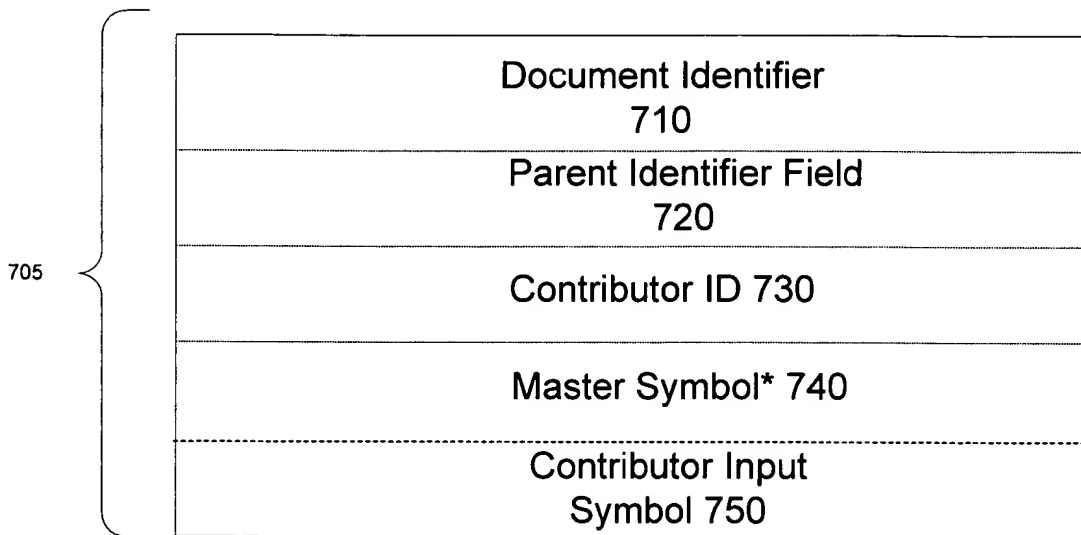


FIG. 7

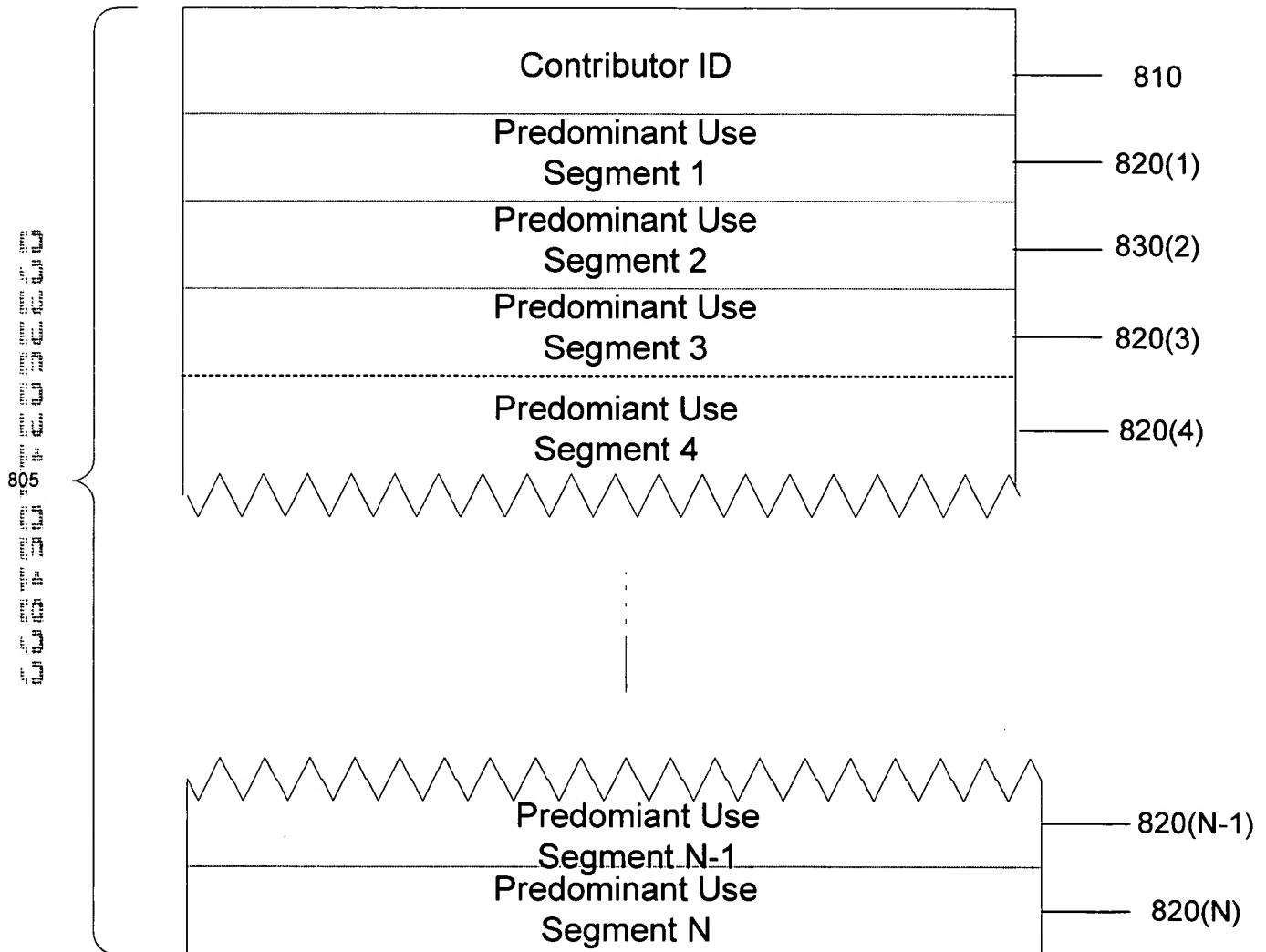


FIG. 8

FIG. 9

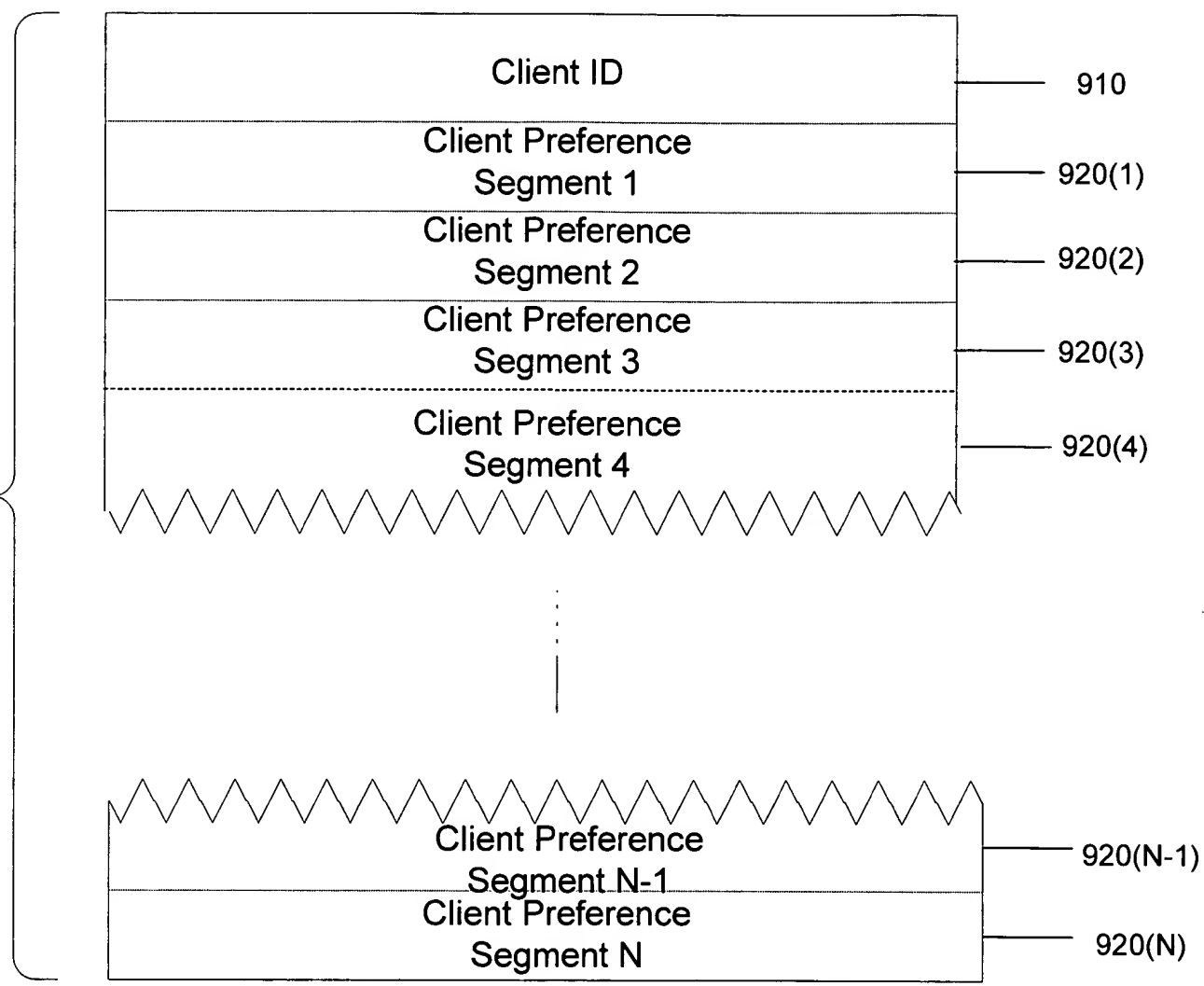


FIG. 9

FIG. 10 is a block diagram of a symbol owner structure 1005. The structure 1005 includes a Symbol Owner 1010, an Owner Symbol Segment 1020, and a Master Symbol Segment 1030.

1005

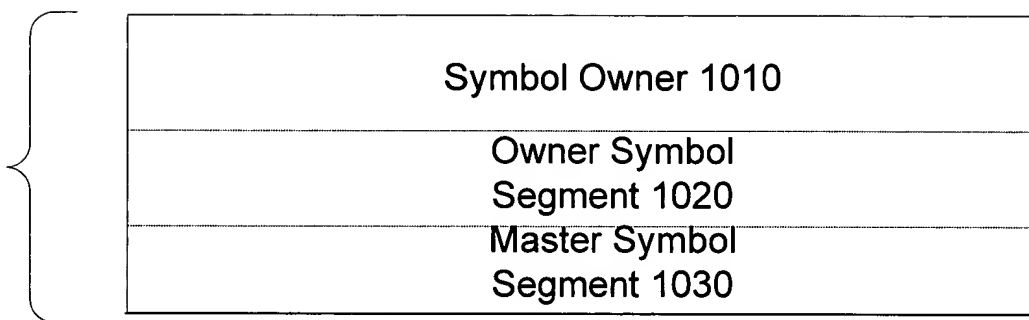


FIG. 10

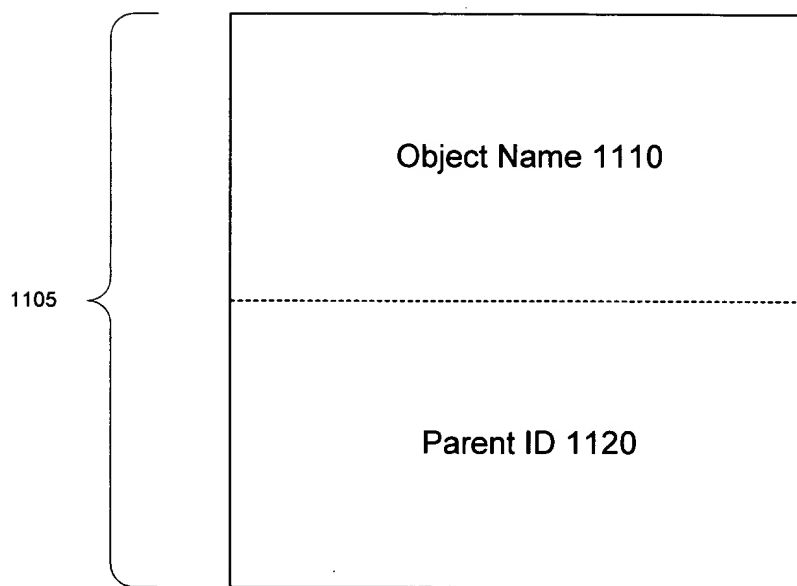


FIG. 11

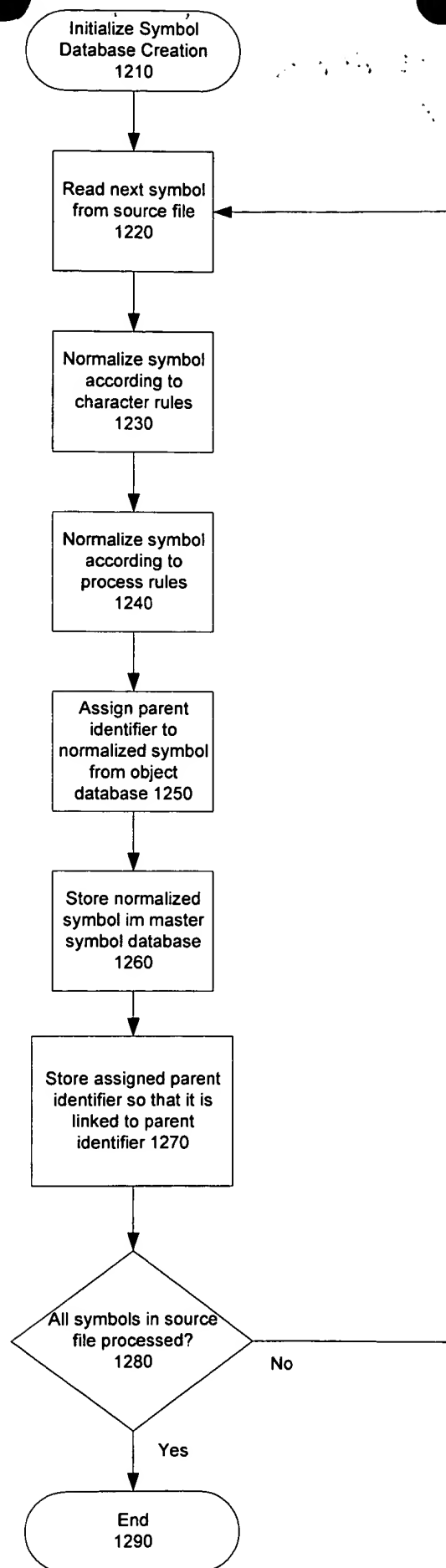


FIG. 12

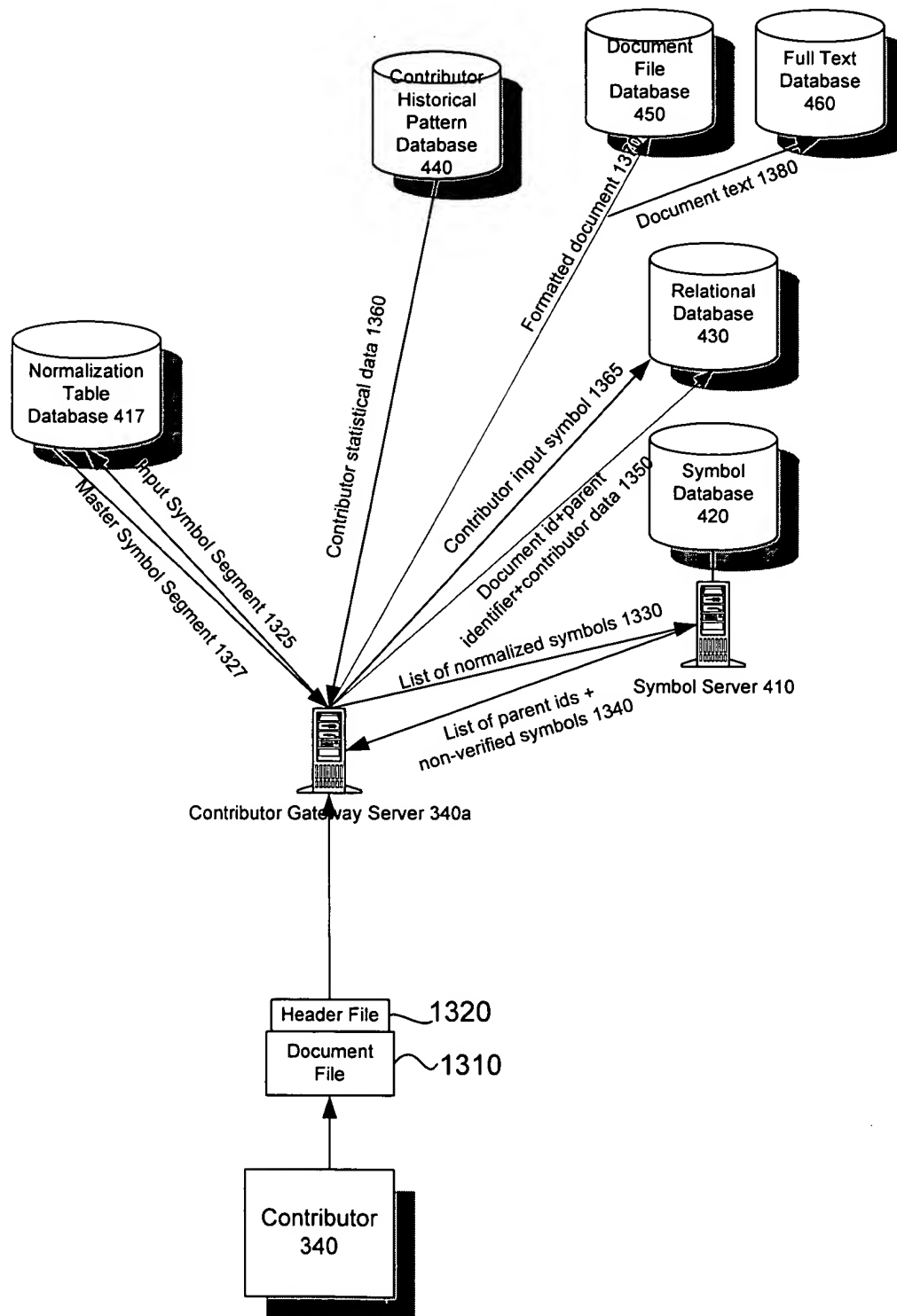


FIG. 13



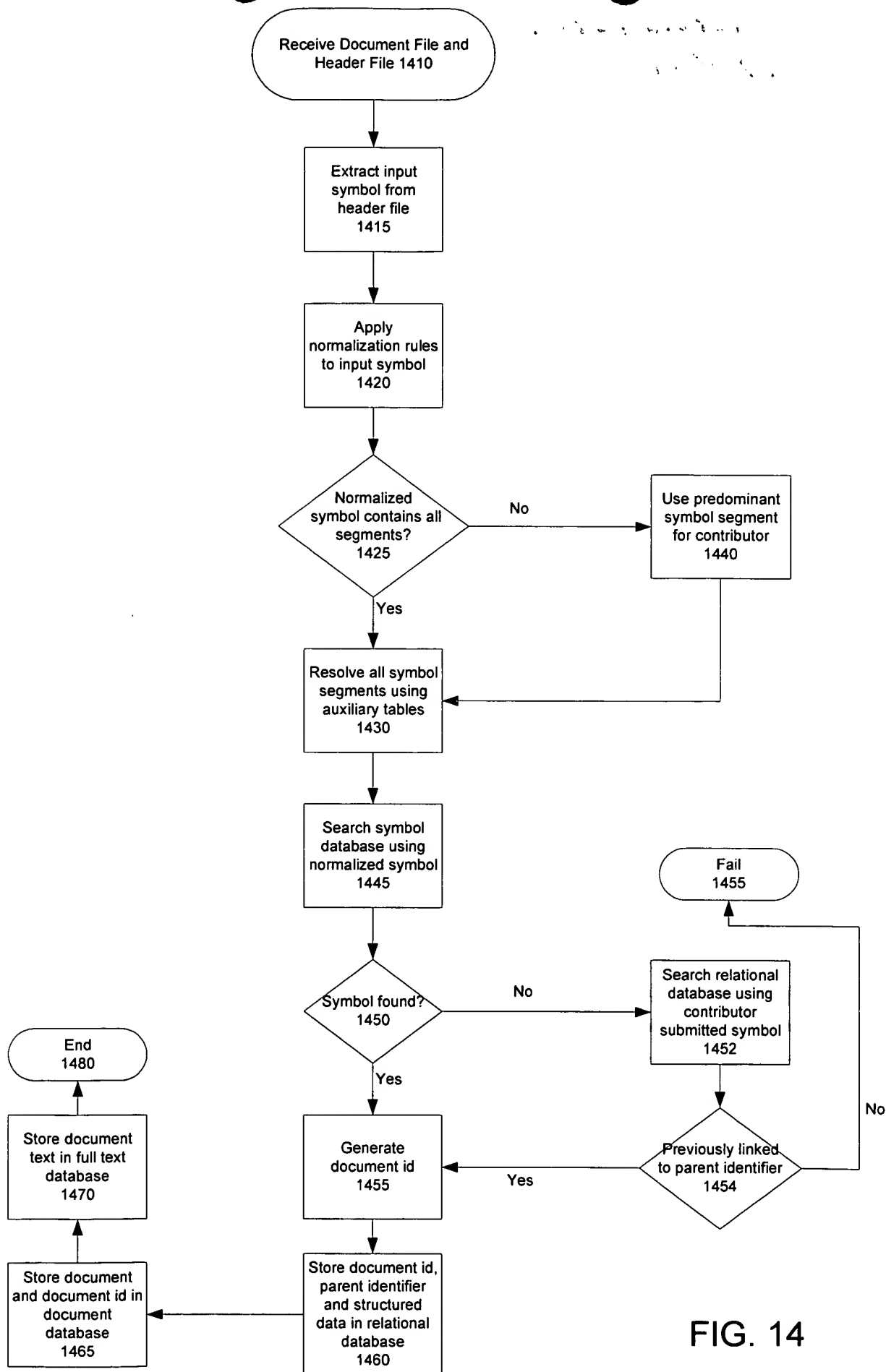


FIG. 14

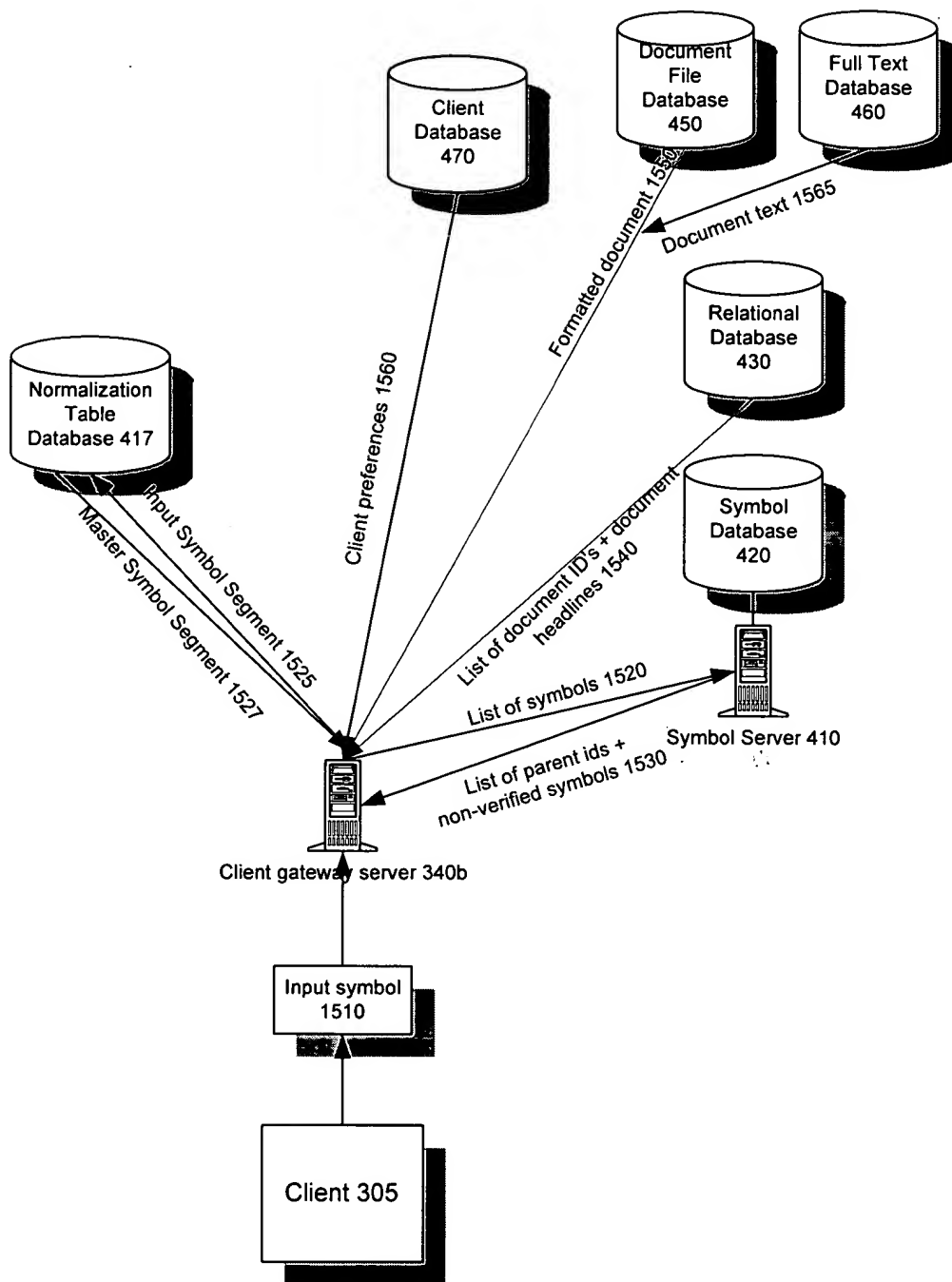


FIG. 15

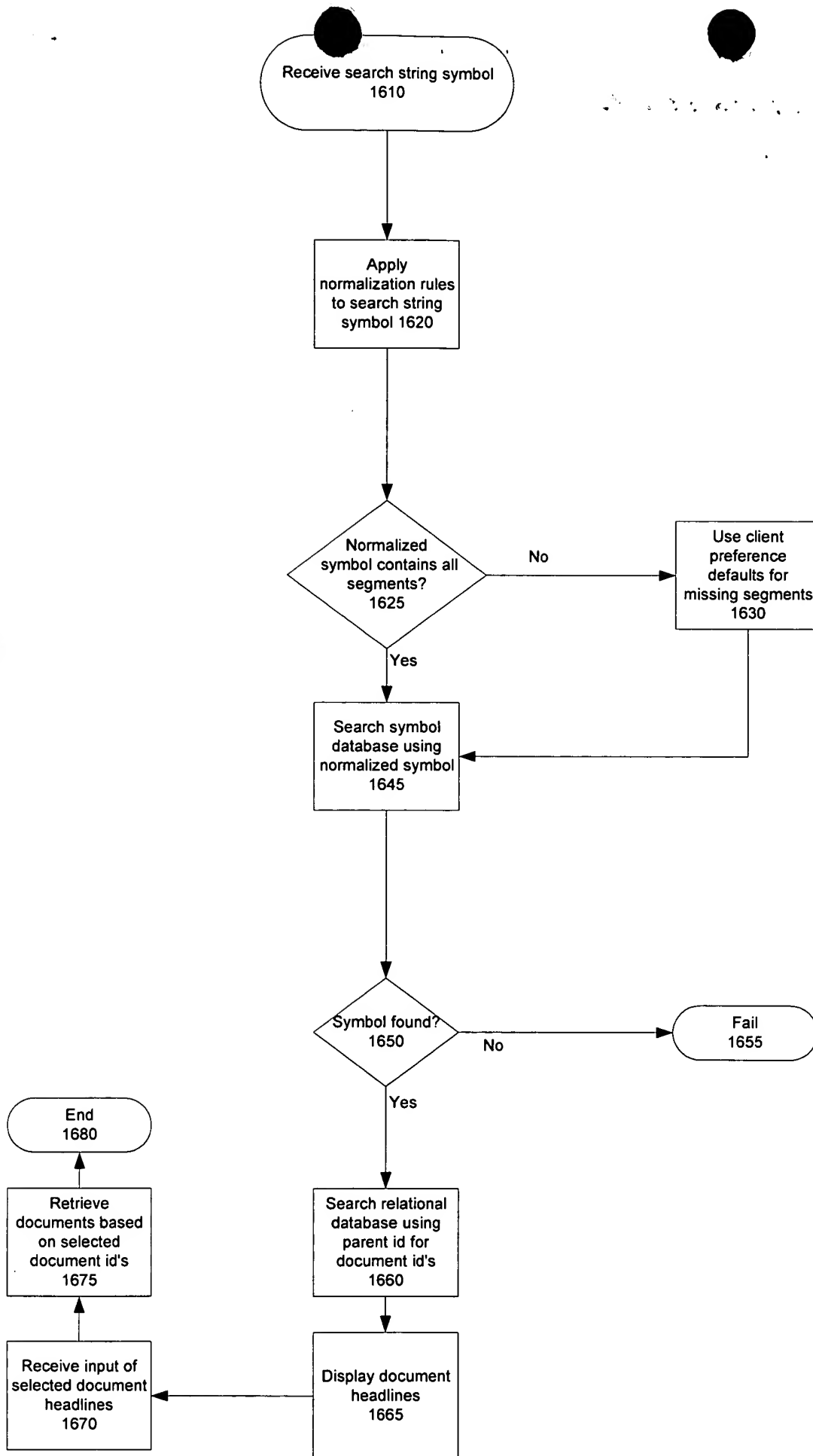


FIG. 16